FIG. 1

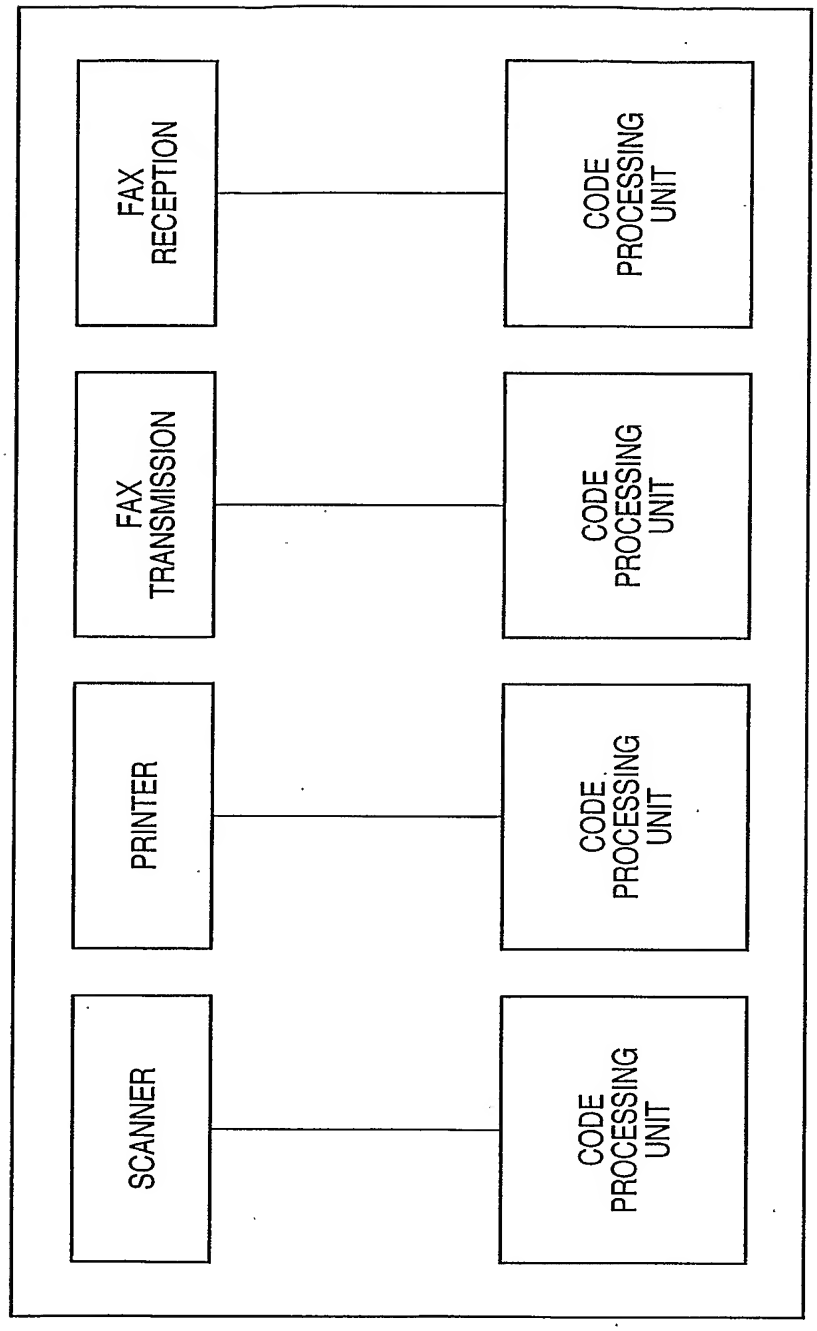

FAX RECEPTION
FAX TRANSMISSION
PRINTER
SCANNER
CODE PROCESSING UNIT
CODE PROCESSING UNIT
CODE PROCESSING UNIT
CODE PROCESSING UNIT

FIG. 2

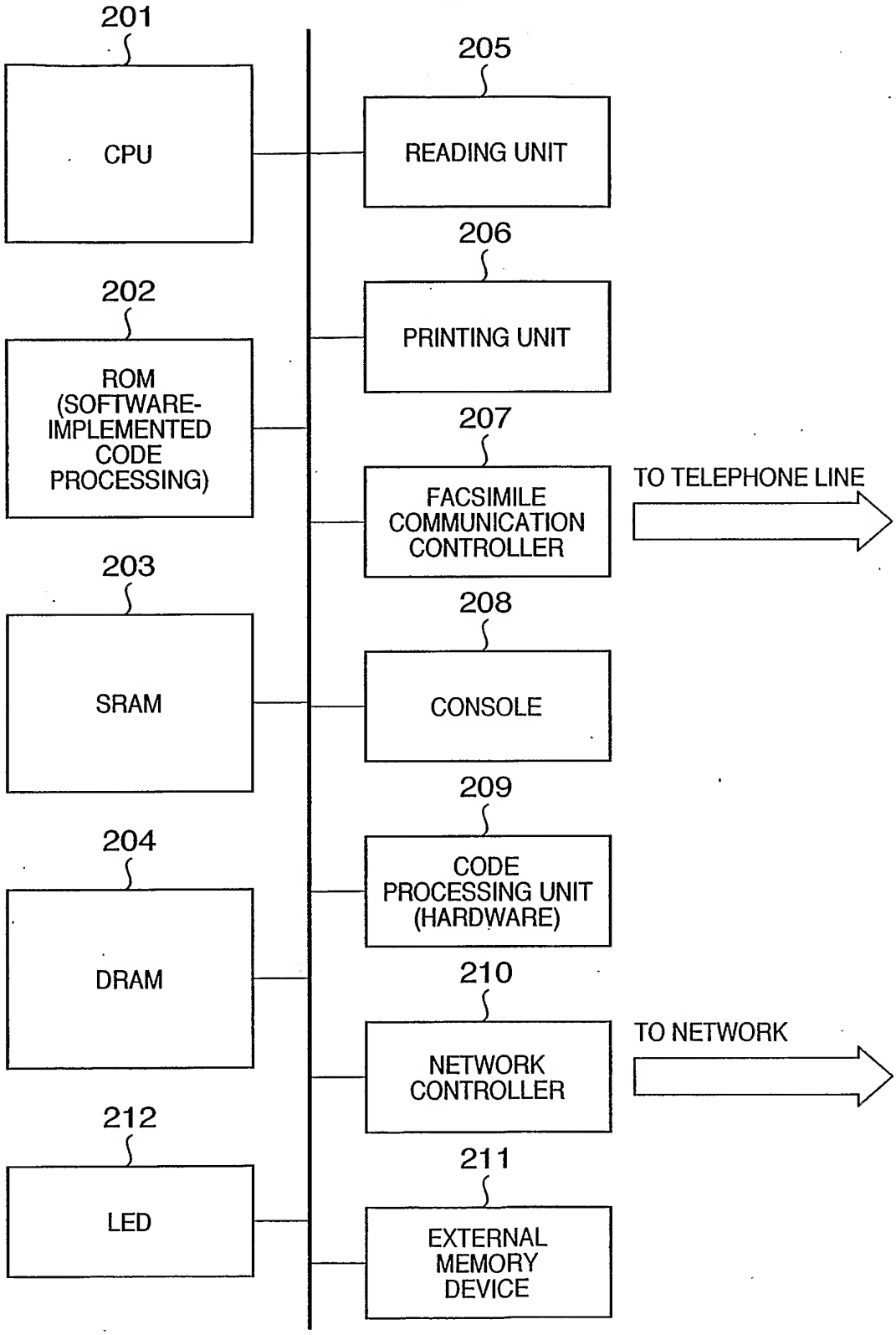

201
CPU
202
ROM (SOFTWARE-IMPLEMENTED CODE PROCESSING)
203
SRAM
204
DRAM
212
LED
205
READING UNIT
206
PRINTING UNIT
207
FACSIMILE COMMUNICATION CONTROLLER
TO TELEPHONE LINE
208
CONSOLE
209
CODE PROCESSING UNIT (HARDWARE)
210
NETWORK CONTROLLER
TO NETWORK
211
EXTERNAL MEMORY DEVICE

FIG. 3

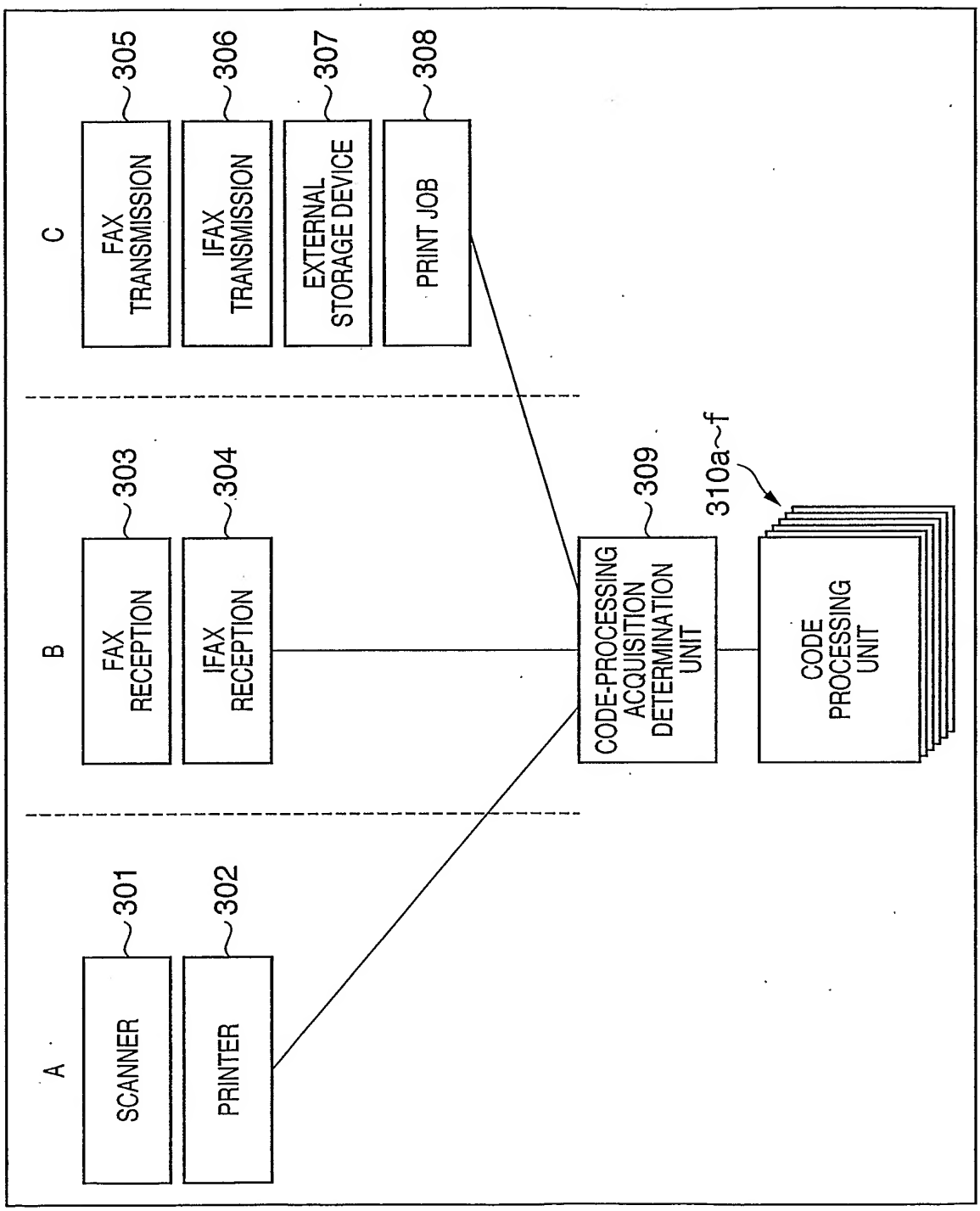

A
SCANNER
301
PRINTER
302
B
FAX RECEPTION
303
IFAX RECEPTION
304
C
FAX TRANSMISSION
305
IFAX TRANSMISSION
306
EXTERNAL STORAGE DEVICE
307
PRINT JOB
308
CODE-PROCESSING ACQUISITION DETERMINATION UNIT
309
310a~f
CODE PROCESSING UNIT

FIG. 4

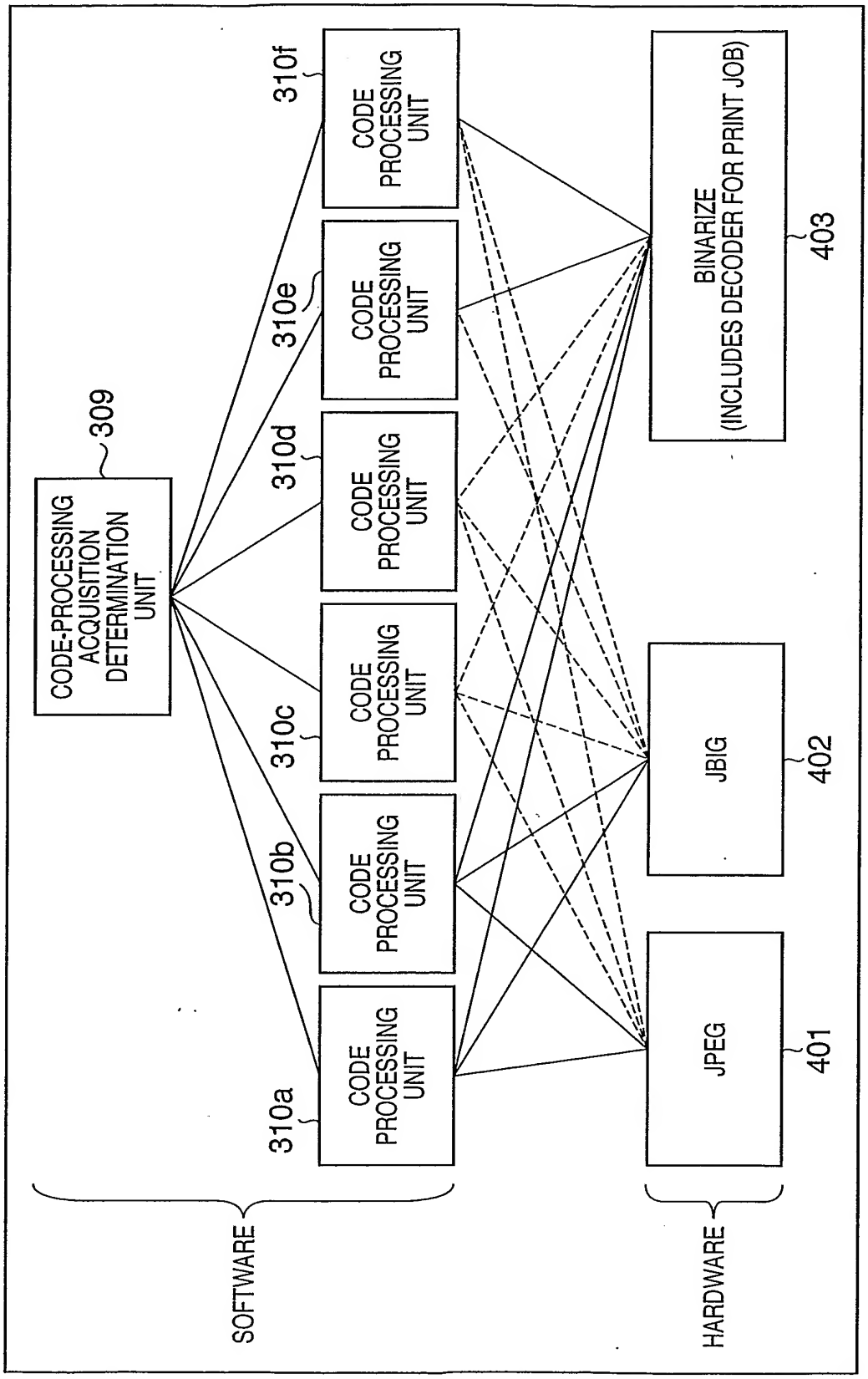
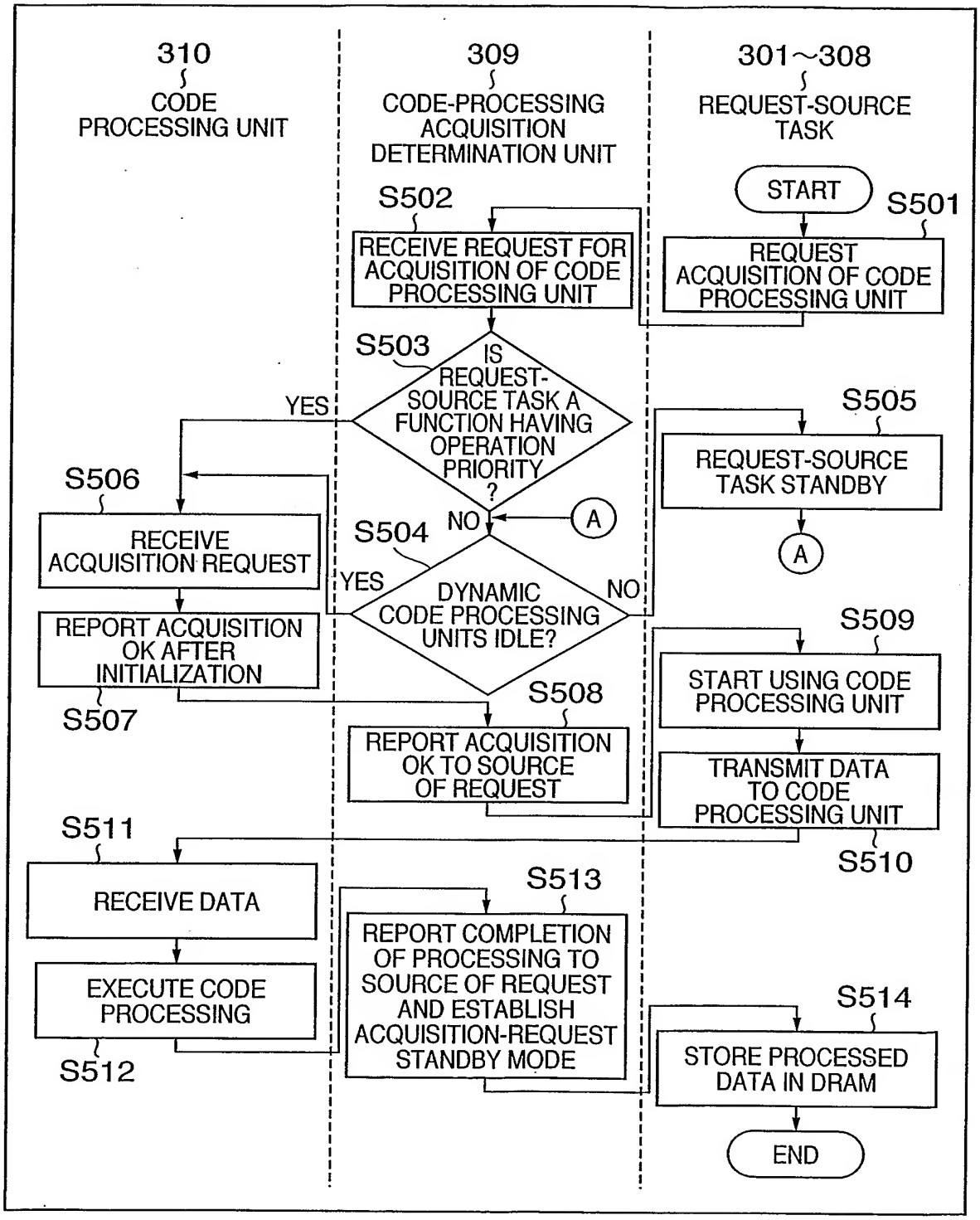

CODE-PROCESSING ACQUISITION DETERMINATION UNIT
309
CODE PROCESSING UNIT
310a
CODE PROCESSING UNIT
310b
CODE PROCESSING UNIT
310c
CODE PROCESSING UNIT
310d
CODE PROCESSING UNIT
310e
CODE PROCESSING UNIT
310f
SOFTWARE
JPEG
401
JBIG
402
BINARIZE (INCLUDES DECODER FOR PRINT JOB)
403
HARDWARE

FIG. 5


310
CODE PROCESSING UNIT
309
CODE-PROCESSING ACQUISITION DETERMINATION UNIT
301~308
REQUEST-SOURCE TASK
START
S501
REQUEST ACQUISITION OF CODE PROCESSING UNIT
S502
RECEIVE REQUEST FOR ACQUISITION OF CODE PROCESSING UNIT
S503
IS REQUEST-SOURCE TASK A FUNCTION HAVING OPERATION PRIORITY ?
YES
NO
A
S504
DYNAMIC CODE PROCESSING UNITS IDLE?
YES
NO
S505
REQUEST-SOURCE TASK STANDBY
A
S506
RECEIVE ACQUISITION REQUEST
REPORT ACQUISITION OK AFTER INITIALIZATION
S507
S508
REPORT ACQUISITION OK TO SOURCE OF REQUEST
S509
START USING CODE PROCESSING UNIT
TRANSMIT DATA TO CODE PROCESSING UNIT
S510
S511
RECEIVE DATA
EXECUTE CODE PROCESSING
S512
S513
REPORT COMPLETION OF PROCESSING TO SOURCE OF REQUEST AND ESTABLISH ACQUISITION-REQUEST STANDBY MODE
S514
STORE PROCESSED DATA IN DRAM
END